

## SEQUENCE LISTING

<110> Gaudet, Daniel  
    Rioux, John D.  
    Arsenault, Steve  
    Hudson, Thomas J.  
    Daly, Mark J.

<120> Glycerol As A Predictor of Glucose  
    Tolerance

<130> 2825.1022-003

<140> US 09/694,088

<141> 2000-10-20

<150> US 60/161,141

<151> 1999-10-22

<160> 23

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<223> Partial nucleic acid sequence of the GK gene  
    comprising a polymorphic site at nucleotide  
    position 13 of exon 3

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<223> Partial nucleic acid sequence of the GK gene  
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<223> Partial nucleic acid sequence of the GK gene comprising a polymorphic site at nucleotide position 29 of exon 10

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&lt;211&gt; 58

&lt;212&gt; DNA

&lt;213&gt; Unknown

&lt;220&gt;

<223> Partial nucleic acid sequence of the GK gene comprising a polymorphic site at nucleotide position 22 of intron 12

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&lt;212&gt; DNA

&lt;213&gt; Unknown

&lt;220&gt;

&lt;223&gt; Glycerol kinase gene

&lt;221&gt; misc\_feature

&lt;222&gt; 2214, 2215, 2216, 2217

&lt;223&gt; n = A,T,C or G

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<223> GK N288D mutant

<400> 6

<210> 7

<211> 41

<212> PRT

<213> Homo sapiens

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 20 25 30  
 Thr Thr Val Ala Tyr Lys Leu Gly Arg  
 35 40

<210> 8

<211> 41

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<213> Unknown

<220>

<223> Rat

<400> 8

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Leu	Cys	Asn	Thr	Gly	His	Lys	Cys	Val	Phe	Ser	Glu	His	Gly	Leu	Leu
							20			25				30	
Thr	Thr	Val	Ala	Tyr	Lys	Leu	Gly	Arg							
							35			40					

<210> 9

<211> 41

<212> PRT

<213> Unknown

<220>

<223> Mouse

<400> 9

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 1 5 10 15  
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 20 25 30  
 Thr Thr Val Ala Tyr Lys Leu Gly Arg  
 35 40

&lt;210&gt; 10

&lt;211&gt; 39

&lt;212&gt; PRT

&lt;213&gt; E. coli

&lt;400&gt; 10

Val	Lys	Glu	Gly	Met	Ala	Lys	Asn	Thr	Tyr	Gly	Thr	Gly	Cys	Phe	Met
1				5					10				15		
Leu	Met	Asn	Thr	Gly	Glu	Lys	Ala	Val	Lys	Ser	Glu	Asn	Gly	Leu	Leu
								20	25				30		
Thr	Thr	Ile	Ala	Cys	Gly	Pro									
							35								

&lt;210&gt; 11

&lt;211&gt; 39

&lt;212&gt; PRT

&lt;213&gt; Pseudomonas aeruginosa.

&lt;400&gt; 11

Val	Glu	Pro	Gly	Gln	Ala	Lys	Asn	Thr	Tyr	Gly	Thr	Gly	Cys	Phe	Leu
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					20			25				30			
Thr	Thr	Ile	Ala	Cys	Gly	Pro									
					35										

&lt;210&gt; 12

&lt;211&gt; 39

&lt;212&gt; PRT

&lt;213&gt; Enterococcus casseliflavus

&lt;400&gt; 12

Phe	Glu	Lys	Gly	Met	Ile	Lys	Asn	Thr	Tyr	Gly	Thr	Gly	Ala	Phe	Ile
1					5				10				15		
Val	Met	Asn	Thr	Gly	Glu	Glu	Pro	Gln	Leu	Ser	Asp	Asn	Asp	Leu	Leu
					20			25				30			
Thr	Thr	Ile	Gly	Tyr	Gly	Ile									
					35										

&lt;210&gt; 13

&lt;211&gt; 41

&lt;212&gt; PRT

&lt;213&gt; Haemophilus influenzae

&lt;400&gt; 13

Val	His	Ala	Gly	Gln	Ala	Lys	Asn	Thr	Tyr	Gly	Thr	Gly	Cys	Phe	Met
1						5			10				15		
Leu	Leu	His	Thr	Gly	Asn	Lys	Ala	Ile	Thr	Ser	Lys	Asn	Gly	Leu	Leu
								20	25			30			
Thr	Thr	Ile	Ala	Cys	Asn	Ala	Lys	Gly							
					35		40								

&lt;210&gt; 14

&lt;211&gt; 39

&lt;212&gt; PRT

<213> *Bacillus subtilis*

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 20 25 30  
 Thr Thr Ile Ala Trp Gly Ile  
 35

<210> 15

<211> 41

<212> PRT

<213> *Saccharomyces cerevisiae*

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 20 25 30  
 Thr Thr Leu Ala Phe Trp Phe Pro His  
 35 40

<210> 16

<211> 41

<212> PRT

<213> *Mycoplasma genitalium*

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 35 40

<210> 17

<211> 39

<212> PRT

<213> *Enterococcus faecalis*

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 20 25 30  
 Thr Thr Ile Gly Tyr Gly Ile  
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<210> 18

<211> 41

<212> PRT

<213> *Mycoplasma pneumoniae*

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<223> GK gene polymorphism

<400> 20  
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<223> GK gene polymorphism

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<400> 22  
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9/9

<213> Artificial Sequence

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<223> GK gene polymorphism

<400> 23

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16